

## NEW JERSEY CLEAN AIR COUNCIL

### Clean Air Council Members

Jorge H. Berkowitz, Ph. D., Chairman  
Michael Egenton, Vice Chairman  
Richard Aicher  
Ferdows Ali, Ph. D.  
Leonard Bielory, M.D.  
James Blando, Ph. D.  
Joseph Constance  
George Currier, P.E.  
Elease Evans  
Gene Feyl  
Marcelino Iglesias  
Richard M. Lynch, Ph.D.  
Raymond M. Manganelli, Ph.D.

### Clean Air Council Members

John Maxwell  
Stephen J. Papenberg  
Joseph A. Spatola, Ph.D.  
Irwin Zonis

### Clean Air Council Liaison

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CAC Web Site

<http://www.state.nj.us/dep/cleanair>

DEP Electronic Bulletin Board  
609-292-2006

Approved: December 9, 2003

### **NJ CLEAN AIR COUNCIL MEETING RECORD**

November 12, 2003 at 9:30 a.m.

NJDEP

401 E. State. St.

2<sup>nd</sup> Fl. Large Conference Room

Trenton, NJ 08625

(609) 633-2007

CALL TO ORDER: Chairman Jorge Berkowitz opened the meeting.

COUNCIL MEMBERS PRESENT: All of the Council members were present with the changes noted below. (**See Attachment 1 – Attendance Sheet**)

EXCUSED: Rick Aicher, Stephen Papenberg

REPRESENTATIVE: Ed Bakos for Joseph Constance

ABSENT: George Currier, Elease Evans

NJDEP: Bill O'Sullivan, Director, Division of Air Quality; Sharon Haas, Air Quality Planning; Tom Dvorak, Air Quality Planning; Tom Micai, Coordinator, NJ Motor Vehicle Inspection Program

SPEAKERS: Robert Stern, Bureau Chief, Air Quality Planning  
Dave West, Chief, Bureau of Motor Vehicle Inspection and Maintenance

PUBLIC: Panos G. Georgopoulos, EHOSI/RWJ Medical School

### Meeting Record

Roll call was taken. Welcome to, and introduction of Council to new member, Richard Lynch. October Minutes were approved as edited.

## **ADMINISTRATIVE REPORT**

*Bill O'Sullivan, Director, Division of Air Quality*

- Hamilton Post Office—Successfully decontaminated. Awaiting final reports. No detectable chlorine dioxide.
- The NJDEP participated in a seminar sponsored by the Central & Northern New Jersey chapter of the Air & Waste Management Association entitled Environmental Initiatives in New Jersey. The event drew 90 participants.
- CAC Members were invited to attend DEP's Sustainability Seminar being held after their meeting in the Public Hearing Room.
- Public Hearing on Consumer Products Rule is scheduled for November 13, 2003. This rule limits solvent content of certain consumer products and requires new gas can design which avoids spills.
- AIMS and OMET rules should be adopted early in 2004.
- Revision to NOx/RACT rules are due to be proposed in December
- General Permits (GP's)—These permits are standardized permits for common source categories. The goal is to have two-thirds of the preconstruction permits issued as GP's. Currently, GP's account for more than the number is at 50% of preconstruction permits.

Boilers—up to 50 million BTU's per hour re-proposed to lower carbon monoxide emissions.

Non-MACT degreaser and MACT degreaser will have a regular GP. Non-MACT degreaser will be on the NJ Register for availability on January 2004.

A draft of the GP for non-chrome plating is expected by the end of January.

EPA is reviewing dry cleaner rule general operating permit. Final GP expected in early 2004.

- Hand-out of major changes to the Clear Skies Act of 2003 (**See Attachment 2—distributed at meeting**)

## **FINE PARTICULATES (Part One & Two)**

*Robert Stern, Bureau Chief, Air Quality Planning (See Attachment 3—Distributed at meeting)*

### **Part One**

Presented New Jersey monitored concentrations and health impacts of fine particles. Presented options for fine particle non-attainment area designations.

### **Part Two**

Reviewed health impacts.

Presented options for State fine particle control measures.

## **INSPECTION/MAINTENANCE V. ON-BOARD DIAGNOSTICS (OBD) DATA COMPARISONS**

*Dave West, Chief, Bureau of Motor Vehicle Inspection and Maintenance, Air Quality Management (See Attachment 4—Distributed at meeting)*

- Calendar Year 2002 Data—Acceleration Simulation Mode (ASM) Pass/Fail Rates by Model Year. Age shows a direct correlation to failure rate. ASM Pass/Fail Rates by Mileage. Mileage has a direct correlation to pass fail rate. Fail rate increases almost 900% from 30,000 miles to 150,000 miles.
- Emission equipment repairs for failing vehicles show reduced emissions in all three pollutants (HC, CO and NOx). Average reductions are as follows: HC – 97 ppm, 56% CO – 1.0%, 70%. NOx – 538 ppm 49%.

- OBDII testing was implemented in I/M production August 4, 2003. Model Years 1996/97 are scheduled to switch from ASM to OBDII as of January 12, 2004. Vehicles failing OBDII have shown to be indicative of higher pollutant levels. Current OBDII failure rates are higher than ASM within the same Model Years /Age Span. Current OBDII average fail rate for model years 1998-2003 is 3.9%. During Beta test the addition of 1996/97 Model Years increased average OBDII fail rate to 8.9%. The ASM fail rate for 5-model year span 1997-2002 in 2002 was .6%.
- When the OBDII system detects an out of tolerance condition in an emission control system, it stores a specific Diagnostic Trouble Code (DTC). The top twenty DTCs account for 46.8% of all the recorded DTC occurrences. The top 5 DTCs are for Exhaust Gas Recirculation (EGR) problems (NOx control), Lean air-fuel ratio, catalytic converter efficiency and evaporative control system problems (3 types). The NJ DEP Diesel Inspection Program is a two tiered effort. #1 is a random Roadside Inspection of over the road diesel trucks from all states traveling within NJ. #2 is an Annual Inspection at Diesel Emission Inspection Centers (DEICs) for NJ registered over the road trucks. Since Enforcement of Diesel Opacity Inspection. The program has noted a marked improvement in Fleet opacities.
- The future of DEP I/M and Diesel programs faces many challenges. The most pressing is where to most effectively allocate our resources. Considering the migration to OBDII as our fleet ages, how effective or necessary will tailpipe testing be? What direction are our neighboring and other states taking? How effective is OBDII testing in maintaining low tailpipe emissions? What, if other, exhaust pollutants should our Diesel program include? Should the Diesel program be expanded to Off-Road engines?

*Tom Micai, State Enhanced Inspection Maintenance Project Coordinator*

- This year the new auto emissions inspection system (On Board Diagnostics) came up successfully. This test will replace the dynamometer tailpipe test for the newer cars.
- The lines at the inspection stations have decreased dramatically this summer, at most stations, the average wait times are now less than 10 minutes.
- This year also brought higher quality inspections. The overall results from State auditors show an increase in the audit passing rates.
- More advances in auto inspections to lower wait times and improve the overall safety of vehicles for NJ motorists will occur in the upcoming months.

Panos G. Georgopoulos: The Environmental and Occupational Health Sciences Institute (EOHSI) recently received two new grants, both highly competitive at the national level, for studying air toxics pollution and exposure problems, both of direct relevance to New Jersey issues. Specifically, the American Chemistry Council (ACC) awarded a grant for "Modeling Outdoor and Indoor Exposures to Air Toxics, with focus Volatile Organic Compounds" (Principal Investigator: Panos G. Georgopoulos), and the Health Effects Institute (HEI) awarded a grant for "Assessing Personal Exposures to Air Toxics in Camden, New Jersey" (Principal Investigator: Paul J. Liroy). These grants are complementary, as they will allow the parallel development of improved computer-based predictive/diagnostic models for outdoor/indoor air quality, with the collection and analysis of field data that will allow the evaluation and refinement of the models. Each of the two grants will provide approximately \$300K per year for a three-year period starting 12/1/2003. It should be mentioned that the current NJDEP financial support of EOHSI

and on-going research collaboration, through the Ozone Research Center and other projects, have been instrumental in the success of the EOHSI applications for these competitive grants.

### **NEW BUSINESS/OLD BUSINESS**

- Jim Blando requested that January 14 meeting be held at DEP to provide opportunity for CAC to attend a seminar at DEP in the afternoon.
- Joe Spatola is drafting a letter to the Librizzi family in consultation with Dick Dewling.
- Steve Papenberg to draft letter to the Public Health Council from the CAC in support and initiation of indoor air quality efforts. Commissioners of NJDEP and NJDHSS will be copied on the letter.
- Panos Georgeoupouls offered a conference room in his building for CAC meetings.
- Michael Egenton announced January 29 as the date of the train trip to Washington, D.C.
- Irwin Zonis reviewed contents of brochure. Committee agreed to rename brochure title to: Fine Particles: Impact on Human Health in New Jersey. List of suggested speakers was reviewed. The list will be updated and distributed to members for additional suggestions for speakers. **(See Attachment 5—Distributed at meeting)**
- Chairman asked for motion to approve October minutes. Irwin Zonis seconded the motion.
- Vapor intrusion into houses was added to meeting topics.
- Chairman asked for motion to adjourn meeting. Michael Egenton made the motion, John Maxwell seconded the motion. The meeting was adjourned.

### **ARTICLES OF INTEREST**

- New Clips
- Open Public Records Act Chart—**Distributed at meeting**
- Teterboro news clips—**Distributed at meeting**

### **NEXT MEETING**

December 9, 2003 at 9:30 a.m., NJ Infrastructure Trust, 3131 Princeton Pike, Building 6, 2<sup>nd</sup> Floor, Suite 201, Lawrenceville, NJ 08648 609-219-8600